L Number	Hits	Search Text	DB	Time stamp
1	7	"6429481"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 10:31
2	93989	360/$9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 10:31
3	3536	((257/327) or (257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493) or (257/335)).CCLS.	USPAT; US-PGPUB	2004/03/29 11:18
4	0	(((257/327) or (257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493) or (257/335)).CCLS.) and (trench groove) and body and "on adj resistance" near6 (reduce reduction reduces decrease decreases decreasing lower lowers lowering smaller "less" improve improvement improves) and power adj2 (element device transistor)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 11:22
5	48	(US-5780888-$ or US-5627390-$ or US-6392273-$ or US-6373097-$ or US-5439835-$ or US-5502320-$ or US-6323508-$ or US-6323509-$ or US-6429481-$ or US-6150688-$ or US-6069043-$ or US-6051488-$ or US-6051468-$ or US-6015737-$ or US-5897343-$ or US-5877538-$ or US-5776812-$ or US-5410170-$ or US-5298442-$ or US-5021355-$ or US-4983535-$ or US-6545315-$ or US-6521497-$ or US-6670673-$ or US-6621132-$ or US-6198141-$).did. or (US-6198128-$ or US-6215140-$ or US-6221721-$ or US-6281547-$).did. or (US-20030127688-$ or US-20010031551-$ or US-20030137015-$ or US-20030003637-$).did. or (US-5861649-$ or EP-550770-$).did. or (JP-07235672-$ or JP-09270512-$ or JP-10150191-$ or JP-63050071-$ or JP-06097449-$).did. or (US-5877528-$ or US-6111283-$ or US-6072214-$ or EP-923137-$ or US-20010008788-$ or US-5866931-$ or US-5410170-$ or US-5298442-$).did.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/03/29 11:22
—	0	257/$5.ccls. and breakdown and avalanche and low adj on adj resistance	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/03/29 10:13
—	0	257/$5.ccls. and breakdown and low adj on adj resistance	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 07:58
—	321	257/$5.ccls. and breakdown and low adj2 resistance and latch$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 07:59
—	15	257/$5.ccls. and breakdown and low adj2 resistance and latch$3 and avalanche and trench	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 07:59

–	15	257/$5.ccls. and breakdown and low adj2 resistance and latch$3 and avalanche and trench and power	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 08:10
–	0	(257/$5.ccls. and breakdown and low adj2 resistance and latch$3 and avalanche and trench and power) and hamada.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 08:00
–	8	257/$5.ccls. and breakdown and low adj2 resistance and latch$3 and avalanche and trench and power and igbt	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 08:35
–	3	257/$5.ccls. and breakdown and low adj2 resistance and latch$3 and avalanche and trench and power and igbt and rie	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 08:37
–	562	vertical near4 mosfet.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 13:15
–	0	vertical near4 mosfet.ti. and drift adj drain.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 13:15
–	0	vertical near4 mosfet.ti. and drift adj2 drain	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 13:15
–	7	vertical near4 mosfet.ti. and (drift near4 drain)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 13:15
–	36	semiconducting adj polymer same polyaniline	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 16:53
–	0	semiconducting adj polymer same polyaniline and 106/$5.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2001/10/01 16:53
–	356	(257/329).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:33
–	568	(257/330).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:33
–	280	(257/331).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:33
–	239	(257/332).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:33

–	525	(257/341).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:33
–	284	(257/342).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:33
–	1013	(257/401).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:39
–	79	(257/135).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:39
–	124	(257/491).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:39
–	76	(257/492).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:39
–	83	(257/493).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:39
–	64	(438/212).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:39
–	193	(438/259).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:39
–	1391	(438/270).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:40
–	321	(438/271).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:40
–	231	(438/587).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:40
–	141	(438/588).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:40
–	205	(438/589).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:40

-	0	("L1 or L2 or L3 or L4 or L5 or L6 or L7 or L8 or L9 or L10").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:40
-	3400	(("257/401").CCLS.) or (("257/135").CCLS.) or (("257/491").CCLS.) or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.) or (("438/259").CCLS.) or (("438/270").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 15:37
-	274	((("257/401").CCLS.) or (("257/135").CCLS.) or (("257/491").CCLS.) or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.) or (("438/259").CCLS.) or (("438/270").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and ((groove or trench) near15 insulat$3 adj2 (layer or film))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:53
-	329	((("257/401").CCLS.) or (("257/135").CCLS.) or (("257/491").CCLS.) or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.) or (("438/259").CCLS.) or (("438/270").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and (groove or trench) adj2 gate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:54
-	81	(((("257/401").CCLS.) or (("257/135").CCLS.) or (("257/491").CCLS.) or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.) or (("438/259").CCLS.) or (("438/270").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and (groove or trench) adj2 gate) and base adj2 (region or layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 13:56
-	81	(((("257/401").CCLS.) or (("257/135").CCLS.) or (("257/491").CCLS.) or (("257/492").CCLS.) or (("257/493").CCLS.) or (("438/212").CCLS.) or (("438/259").CCLS.) or (("438/270").CCLS.) or (("438/271").CCLS.) or (("438/587").CCLS.)) and (groove or trench) adj2 gate) and (n-base or p-base or p adj base or n adj base or base) adj2 (region or layer)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 14:31
-	24	hamada.in. and trench	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 14:38
-	3071	((trench or groove) near3 gate)	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 14:39
-	629	((trench or groove) near3 gate) and conduct$5 and semiconduct$5	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 14:40
-	612	((trench or groove) near3 gate) and conduct$5 and semiconduct$5.ti,ab.	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 14:40
-	598	((trench or groove) near3 gate).ti,ab. and conduct$5 and semiconduct$5.ti,ab.	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 14:49
-	120	((trench or groove) near3 gate).ti,ab. and conduct$5 and semiconduct$5.ti,ab. and connect$3	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 15:51
-	1	5861649.pn.	USPAT	2002/02/07 11:35
-	1	6118150.pn.	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 15:12

–	1	6118150.pn.	USPAT	2002/02/01 15:12
–	3	herzer.in. and trench	EPO; JPO; DERWENT; IBM_TDB	2002/02/01 16:47
–	8	(("6163051") or ("6118150") or ("6072214")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/01 17:24
–	3	(("6163051") or ("6118150") or ("6072214")).PN.	USPAT	2002/02/01 17:25
–	1	6096608.pn.	USPAT	2002/02/07 11:43
–	1	5648670.pn.	USPAT	2002/02/07 11:36
–	1	6163051.pn.	USPAT	2002/02/07 11:43
–	3	5502320.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/07 14:00
–	32	(("6221721") or ("6069043") or ("6051488") or ("6051468") or ("6015737") or ("5897343") or ("5776812") or ("5021355") or ("4983535") or ("5861649") or ("5877528") or ("6072214") or ("5502320")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/07 14:57
–	13	(("6221721") or ("6069043") or ("6051488") or ("6051468") or ("6015737") or ("5897343") or ("5776812") or ("5021355") or ("4983535") or ("5861649") or ("5877528") or ("6072214") or ("5502320")).PN.	USPAT	2002/02/07 16:06
–	2	(("5502320") or ("5986304")).PN.	USPAT	2002/02/07 16:07
–	0	("common adj source and trench adj gate").PN.	USPAT	2002/02/07 16:07
–	36	common adj source and trench adj gate	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/02/07 16:08
–	2	(("5502320") or ("5986304")).PN.	USPAT	2002/05/20 13:55
–	225	(punchthrough or punch-through) same memory.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/05/20 15:13
–	17	(punchthrough or punch-through) same memory.ti,ab. and dynamic adj random adj access adj memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 13:25
–	2	(punchthrough or punch-through) same memory.ti. and dynamic adj random adj access adj memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 15:21
–	3	663340.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 15:36
–	11	body adj (bias or biasing).ti,ab. and MOS.ti,ab.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:28
–	1268	((257/329) or (257/330) or (257/331) or (257/332)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:29

-	800	((257/341) or (257/342)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:29
-	1173	((257/401) or (257/135)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:29
-	260	((257/491) or (257/492) or (257/493)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:30
-	325	((438/212) or (438/259)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:30
-	2283	((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:31
-	5500	(((257/329) or (257/330) or (257/331) or (257/332)).CCLS.) or (((257/341) or (257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or (257/492) or (257/493)).CCLS.) or (((438/212) or (438/259)).CCLS.) or (((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/09 17:32
-	0	((((257/329) or (257/330) or (257/331) or (257/332)).CCLS.) or (((257/341) or (257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or (257/492) or (257/493)).CCLS.) or (((438/212) or (438/259)).CCLS.) or (((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS.)) and (punchthrough or punch-through) near3 dram	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:32
-	4	((((257/329) or (257/330) or (257/331) or (257/332)).CCLS.) or (((257/341) or (257/342)).CCLS.) or (((257/401) or (257/135)).CCLS.) or (((257/491) or (257/492) or (257/493)).CCLS.) or (((438/212) or (438/259)).CCLS.) or (((438/270) or (438/271) or (438/587) or (438/588) or (438/589)).CCLS.)) and (punchthrough or punch-through) near12 dram	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/08/31 16:32
-	20	(US-6051468-$ or US-5502320-$ or US-5439835-$ or US-6015737-$ or US-5897343-$ or US-6221721-$ or US-6198128-$ or US-6150688-$ or US-6069043-$ or US-5776812-$ or US-5021355-$ or US-4983535-$ or US-6051488-$ or US-5627390-$ or US-5780888-$).did. or (EP-550770-$ or US-5861649-$).did. or (JP-06097449-$).did. or (US-6111283-$ or US-5877528-$ or US-6072214-$).did.	USPAT; EPO; JPO; DERWENT	2002/12/12 16:37
-	51	power adj (dmos or dmosfet).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/12 20:05

-	7	power adj (dmos or dmosfet).ti,ab,clm. and (groove or trench)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/12 20:25
-	500	(257/330).CCLS.	USPAT; US-PGPUB	2002/12/12 20:27
-	507	(257/341).CCLS.	USPAT; US-PGPUB	2002/12/12 20:27
-	40	((257/330).CCLS.) and ((257/341).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/12 20:27
-	799	257/329	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:33
-	1162	257/330	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:33
-	600	257/331	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:34
-	531	257/332	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:34
-	344	257/334	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:34
-	1015	257/335	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:34
-	1287	257/336	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:34
-	3959	257/329 or 257/330 or 257/331 or 257/332 or 257/334 or 257/335 or 257/336	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 09:34
-	244	(257/329 or 257/330 or 257/331 or 257/332 or 257/334 or 257/335 or 257/336) and body adj (contact or tie or bias)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 11:15
-	2	("6429481").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2002/12/13 11:15
-	2	("6429481").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 11:24

-	821	insulated adj gate adj bipolar adj transistor.ti.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 11:25
-	153	insulated adj gate adj bipolar adj transistor.ti. and 257/$9.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/09/12 11:25
-	1	("6429481").PN.	USPAT	2003/12/29 13:59
-	2948	((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.	USPAT; US-PGPUB	2003/12/29 15:40
-	71	(((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 15:41
-	152	(trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.	EPO; JPO; DERWENT; IBM_TDB	2003/12/29 15:41
-	152	(((((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)	EPO; JPO; DERWENT; IBM_TDB	2003/12/29 20:30
-	223	(((((257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 20:32
-	8	(US-6545315-$ or US-5410170-$).did. or (US-5866931-$ or US-5877528-$ or EP-923137-$ or US-20010008788-$ or US-5298442-$ or US-5410170-$).did.	USPAT; DERWENT	2003/12/29 16:47
-	152	(((((257/328) or (257/335) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)	EPO; JPO; DERWENT; IBM_TDB	2003/12/29 20:31
-	289	(((((257/328) or (257/335) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 20:49

| | | 223 | (US-5723891-$ or US-5665996-$ or US-5640034-$ or US-5629543-$ or US-5468982-$ or US-5430324-$ or US-5410170-$ or US-5341011-$ or US-5316959-$ or US-5298442-$ or US-5072266-$ or US-5034785-$ or US-4893160-$ or US-4767722-$ or US-4561168-$ or US-6624494-$ or US-6621107-$ or US-6576952-$ or US-6548860-$ or US-6545315-$ or US-6534825-$ or US-6518621-$ or US-6518127-$ or US-6512267-$ or US-6489652-$ or US-6445037-$).did. or (US-6432775-$ or US-6413822-$ or US-6396090-$ or US-6376315-$ or US-6281547-$ or US-6262453-$ or US-6239466-$ or US-6239463-$ or US-6188104-$ or US-6172398-$ or US-6150693-$ or US-6107661-$ or US-5986304-$ or US-5981999-$ or US-5973361-$ or US-5929481-$ or US-5910669-$ or US-5877528-$ or US-5866931-$ or US-5821583-$ or US-5808340-$ or US-5770878-$ or US-5763915-$ or US-5747851-$ or US-6657256-$ or US-6657255-$ or US-6649477-$).did. or (US-6627950-$).did. or (US-20030040144-$ or US-20030001199-$ or US-20020195657-$ or US-20020175367-$ or US-20030173619-$ or US-20030168696-$ or US-20030122189-$ or US-20030122188-$ or US-20020140027-$ or US-20020125527-$ or US-20020093048-$ or US-20020030224-$ or US-20020019099-$ or US-20020008281-$ or US-20010028085-$ or US-20010023961-$ or US-20010003367-$).did. or (EP-580452-$ or EP-580213-$ or EP-342952-$ or WO-3038863-$ or EP-1191603-$ or WO-9912213-$ or DE-19742181-$ or WO-9804004-$ or WO-9742663-$ or WO-9733320-$ or WO-9707548-$ or WO-9635231-$ or EP-583023-$).did. or (JP-2003158268-$ or JP-2003060205-$ or JP-2003060204-$ or JP-2002217426-$ or JP-2002043570-$ or JP-11026605-$ or JP-10294463-$ or JP-08298321-$ or JP-08097411-$ or JP-06334184-$ or JP-06151845-$ or JP-06151740-$ or JP-03035534-$ or JP-02249277-$ or JP-02249276-$ or JP-02150057-$ or JP-63281468-$).did. or (US-5929481-$ or US-5668026-$ or US-5821583-$ or KR-97030508-$ or TW-308735-$ or JP-09148578-$ or JP-09097907-$ or WO-9707548-$ or US-5629543-$ or TW-297929-$ or US-5665619-$ or US-5567634-$ or EP-721211-$ or US-5474943-$ or US-5410170-$ or EP-616372-$ or JP-06151740-$ or US-5298442-$ or EP-583023-$ or EP-580452-$ or EP-580213-$ or US-5268326-$ or US-5156993-$ or US-5034785-$ or US-4983535-$ or EP-398468-$).did. or (RD-314077-$ or US-4914058-$ or DE-3916707-$ or US-4893160-$ or EP-342952-$ or EP-328331-$ or RD-300060-$ or RD-297008-$ or EP-255973-$ or EP-238749-$ or EP-227894-$ or EP-209949-$ or US-4561168-$ or US-4119996-$ or US-20020013029-$ or US-20020008281-$ or EP-1172848-$ or US-20020061623-$ or US-6303410-$ or US-6376315-$ or US-20010023961-$ or WO-200165607-$ or US-6312993-$ or DE-10007415-$ or US-6281547-$ or US-6262453-$ or US-20010003367-$).did. or | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:32 |

| - | 66 | (((((257/328) or (257/335) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)) not ((US-5723891-$ or US-5665996-$ or US-5640034-$ or US-5629543-$ or US-5468982-$ or US-5430324-$ or US-5410170-$ or US-5341011-$ or US-5316959-$ or US-5298442-$ or US-5072266-$ or US-5034785-$ or US-4893160-$ or US-4767722-$ or US-4561168-$ or US-6624494-$ or US-6621107-$ or US-6576952-$ or US-6548860-$ or US-6545315-$ or US-6534825-$ or US-6518621-$ or US-6518127-$ or US-6512267-$ or US-6489652-$ or US-6445037-$).did. or (US-6432775-$ or US-6413822-$ or US-6396090-$ or US-6376315-$ or US-6281547-$ or US-6262453-$ or US-6239466-$ or US-6239463-$ or US-6188104-$ or US-6172398-$ or US-6150693-$ or US-6107661-$ or US-5986304-$ or US-5981999-$ or US-5973361-$ or US-5929481-$ or US-5910669-$ or US-5877528-$ or US-5866931-$ or US-5821583-$ or US-5808340-$ or US-5770878-$ or US-5763915-$ or US-5747851-$ or US-6657256-$ or US-6657255-$ or US-6649477-$).did. or (US-6627950-$).did. or (US-20030040144-$ or US-20030001199-$ or US-20020195657-$ or US-20020175367-$ or US-20030173619-$ or US-20030168696-$ or US-20030122189-$ or US-20030122188-$ or US-20020140027-$ or US-20020125527-$ or US-20020093048-$ or US-20020030224-$ or US-20020019099-$ or US-20020008281-$ or US-20010028085-$ or US-20010023961-$ or US-20010003367-$).did. or (EP-580452-$ or EP-580213-$ or EP-342952-$ or WO-3038863-$ or EP-1191603-$ or WO-9912213-$ or DE-19742181-$ or WO-9804004-$ or WO-9742663-$ or WO-9733320-$ or WO-9707548-$ or WO-9635231-$ or EP-583023-$).did. or (JP-2003158268-$ or JP-2003060205-$ or JP-2003060204-$ or JP-2002217426-$ or JP-2002043570-$ or JP-11026605-$ or JP-10294463-$ or JP-08298321-$ or JP-08097411-$ or JP-06334184-$ or JP-06151845-$ or JP-06151740-$ or JP-03035534-$ or JP-02249277-$ or JP-02249276-$ or JP-02150057-$ or JP-63281468-$).did. or (US-5929481-$ or US-5668026-$ or US-5821583-$ or KR-97030508-$ or TW-308735-$ or JP-09148578-$ or JP-09097907-$ or WO-9707548-$ or US-5629543-$ or TW-297929-$ or US-5665619-$ or US-5567634-$ or EP-721211-$ or US-5474943-$ or US-5410170-$ or EP-616372-$ or JP-06151740-$ or US-5298442-$ or EP-583023-$ or EP-580452-$ or EP-580213-$ or US-5268326-$ or US-5156993-$ or US-5034785-$ or US-4983535-$ or EP-398468-$).did. or (RD-314077-$ or US-4914058-$ or DE-3916707-$ or US-4893160-$ or EP-342952-$ or EP-328331-$ or RD-300060-$ or RD-297008-$ or EP-255973-$ or EP-238749-$ or EP-227894-$ | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 20:32 |

—	3	663340.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 20:42
—	289	((((257/327) or (257/335) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 20:50

| | | 66 | `(((((257/327) or (257/335) or (257/493)).CCLS.) and (trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.) ((trench groove).ti,ab,clm. and (dmos dmosfet).ti,ab,clm.)) not ((US-5723891-$ or US-5665996-$ or US-5640034-$ or US-5629543-$ or US-5468982-$ or US-5430324-$ or US-5410170-$ or US-5341011-$ or US-5316959-$ or US-5298442-$ or US-5072266-$ or US-5034785-$ or US-4893160-$ or US-4767722-$ or US-4561168-$ or US-6624494-$ or US-6621107-$ or US-6576952-$ or US-6548860-$ or US-6545315-$ or US-6534825-$ or US-6518621-$ or US-6518127-$ or US-6512267-$ or US-6489652-$ or US-6445037-$).did. or (US-6432775-$ or US-6413822-$ or US-6396090-$ or US-6376315-$ or US-6281547-$ or US-6262453-$ or US-6239466-$ or US-6239463-$ or US-6188104-$ or US-6172398-$ or US-6150693-$ or US-6107661-$ or US-5986304-$ or US-5981999-$ or US-5973361-$ or US-5929481-$ or US-5910669-$ or US-5877528-$ or US-5866931-$ or US-5821583-$ or US-5808340-$ or US-5770878-$ or US-5763915-$ or US-5747851-$ or US-6657256-$ or US-6657255-$ or US-6649477-$).did. or (US-6627950-$).did. or (US-20030040144-$ or US-20030001199-$ or US-20020195657-$ or US-20020175367-$ or US-20030173619-$ or US-20030168696-$ or US-20030122189-$ or US-20030122188-$ or US-20020140027-$ or US-20020125527-$ or US-20020093048-$ or US-20020030224-$ or US-20020019099-$ or US-20020008281-$ or US-20010028085-$ or US-20010023961-$ or US-20010003367-$).did. or (EP-580452-$ or EP-580213-$ or EP-342952-$ or WO-3038863-$ or EP-1191603-$ or WO-9912213-$ or DE-19742181-$ or WO-9804004-$ or WO-9742663-$ or WO-9733320-$ or WO-9707548-$ or WO-9635231-$ or EP-583023-$).did. or (JP-2003158268-$ or JP-2003060205-$ or JP-2003060204-$ or JP-2002217426-$ or JP-2002043570-$ or JP-11026605-$ or JP-10294463-$ or JP-08298321-$ or JP-08097411-$ or JP-06334184-$ or JP-06151845-$ or JP-06151740-$ or JP-03035534-$ or JP-02249277-$ or JP-02249276-$ or JP-02150057-$ or JP-63281468-$).did. or (US-5929481-$ or US-5668026-$ or US-5821583-$ or KR-97030508-$ or TW-308735-$ or JP-09148578-$ or JP-09097907-$ or WO-9707548-$ or US-5629543-$ or TW-297929-$ or US-5665619-$ or US-5567634-$ or EP-721211-$ or US-5474943-$ or US-5410170-$ or EP-616372-$ or JP-06151740-$ or US-5298442-$ or EP-583023-$ or EP-580452-$ or EP-580213-$ or US-5268326-$ or US-5156993-$ or US-5034785-$ or US-4983535-$ or EP-398468-$).did. or (RD-314077-$ or US-4914058-$ or DE-3916707-$ or US-4893160-$ or EP-342952-$ or EP-328331-$ or RD-300060-$ or RD-297008-$ or EP-255973-$ or EP-238749-$ or EP-227894-$ or EP-209949-$ or US-4561168-$ or US-4119996-$ or US-20020013029-$ or` | USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB | 2003/12/29 21:00 |

-	2	jp-07235672$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 21:02
-	2	jp-09270512$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 21:03
-	2	jp-10150191$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 21:05
-	10	jp-6350071$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 21:06
-	0	jp-6350071$-$.did. and kawashima.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 21:05
-	2	jp-63050071$-$.did.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/29 21:06
-	5	158637.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/30 09:21
-	4	948930.ap.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/12/30 09:21
-	3349	((257/327) or (257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/335)).CCLS.	USPAT; US-PGPUB	2004/01/09 17:30
-	3400	((257/327) or (257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493) or (257/335)).CCLS.	USPAT; US-PGPUB	2004/01/09 17:31
-	1033	(((257/327) or (257/328) or (257/329) or (257/330) or (257/331) or (257/341) or (257/342) or (257/401) or (257/491) or (257/492) or (257/493) or (257/335)).CCLS.) and (trench groove).ti,ab,clm.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/01/09 17:34